




SUSTAINABLE POSITIVE IMPACT

| | | |
|--------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|-----------------------------------------------------|
| PEOPLE  | 335 Job opportunities provided to the Egyptian fishermen. | 460 Houses have access to clean water. |
| PLANET  | 127 TONS of Signal Crayfish removed from the Nile. | 6,400 Acres of lands reclaimed. |
| PROSPERITY  | 265 Poultry farm owners saved 30% of the feed's cost | 260% Increase in our beneficiaries income |

VISION 2025

Expand to **9** of the affected countries
 Generate Total Revenues of **\$6,400,000**

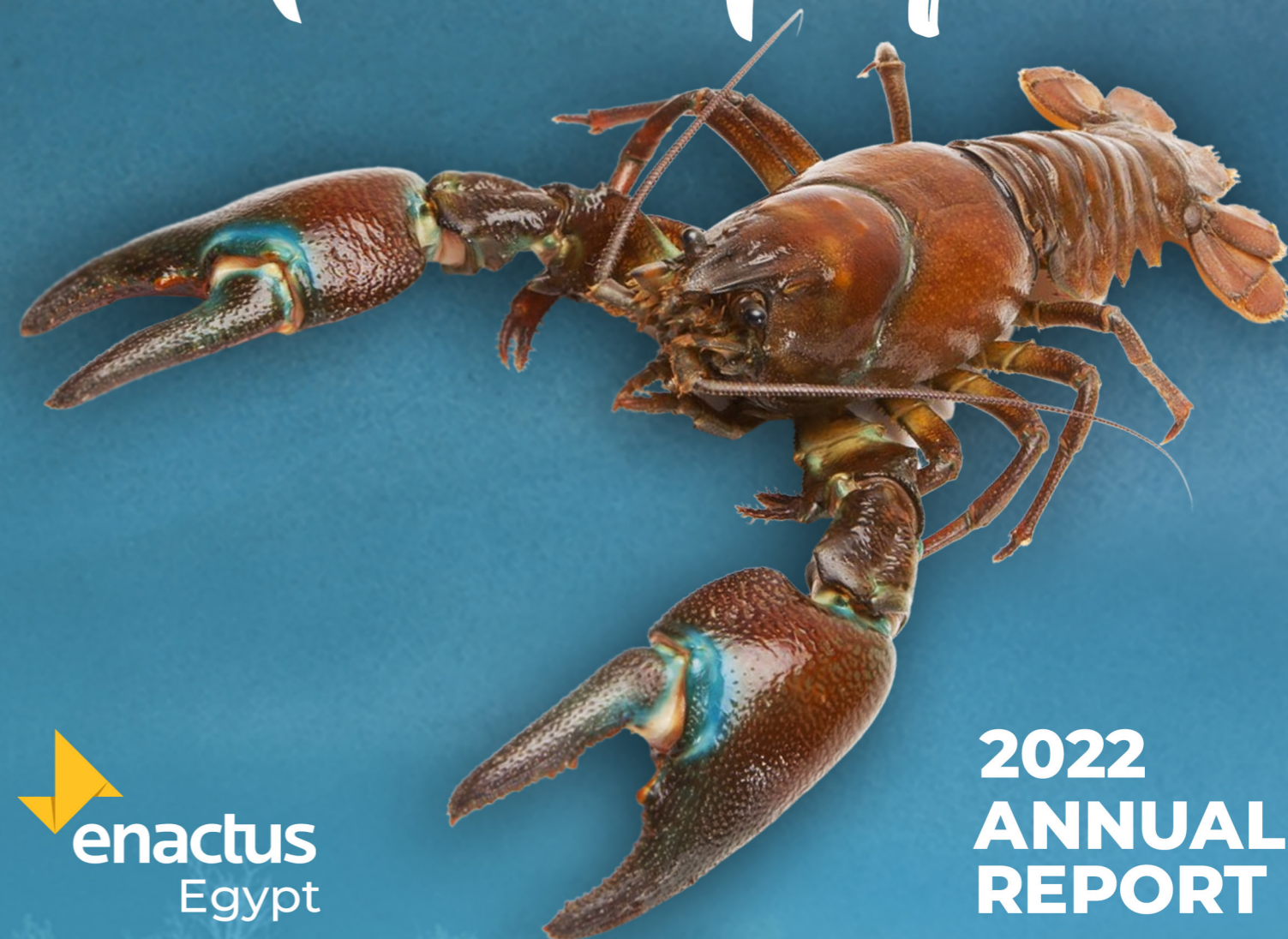
TEAM EFFORTS

45,000 KM Travelled
130,00 Working Hours
400 Active Members

TEAM IMPACT

9,650 Direct Impact
780,000 Indirect Impact
\$1,600,000 Revenues Generated

Hook The Hope



2022 ANNUAL REPORT



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OUR PARTNERS



Phase 1:

Focuses on making the best use of the Signal Crayfish to empower the deprived Egyptian fishermen and their families.

PROBLEM:

More than **36 COUNTRIES** are affected by the harms of Signal Crayfish.

50% decrease in the Nile's fish production as Signal Crayfish preys on fish and their eggs.

240,000 Egyptian Fishermen were forced to give up their work due to the invasion of Signal Crayfish.

60% decrease in Egyptian fishermen's income in the last **10 YEARS**.

OPPORTUNITY:



SIGNAL CRAYFISH SHELLS

Contain **60% CHITIN** which is a primary source of chitosan.



SIGNAL CRAYFISH BODY

Contains:

40% PROTEIN

30% PHOSPHORUS

20% CALCIUM

An integrated social enterprise where Signal Crayfish is used to improve quality of life for the Egyptian families while aiming for a balanced ecosystem.

CHITOSAN:

We produced **87%** pure chitosan providing universities and research centers with our Chitosan to be utilized in scientific research.

WATER FILTER:

We developed a **TAP WATER FILTER** which purifies drinking water from heavy metals using disposable Chitosan filtration candles.

Phase 1

Phase 2

POULTRY FEED:

We produced poultry feed that's **30%** cheaper and **100%** made from local components.

BIO-PESTICIDE

We produced bio-pesticide that's **60%** cheaper than other chemical alternatives.

Phase 2:

Focuses on enhancing the wellness of Egyptian families by providing them with good nutrition and clean water, utilizing Chitosan extracted from our hubs.

PROBLEM:

297,000 children worldwide die each year because of diseases caused by contaminated water.

Heavy metals in drinking water exceeds the safe limit by **30%**.

Usage of **CHEMICAL PESTICIDES** in El-Giza isn't restricted.

OPPORTUNITY:

CHITOSAN is used in the manufacturing of **WATER FILTERS** due to its high removal efficiency and fast deposition rate as it eliminates heavy metals, sediments and bacteria.

CHITOSAN'S ability to act as growth enhancer and antimicrobial agent to the plants which is used in the manufacturing of **PESTICIDES**.



SUSTAINABILITY:



We raised awareness of **2,500** fishermen across **11** governorates about the economic value of Crayfish.



We expanded with **13** hubs in **3** Governorates across Egypt.



We partnered with **NANO FAB** creating a unified system across hubs to ensure premium quality.



We expanded our impact to **SUDAN AND UGANDA** by providing visualized training sessions to **170** Fishermen.